

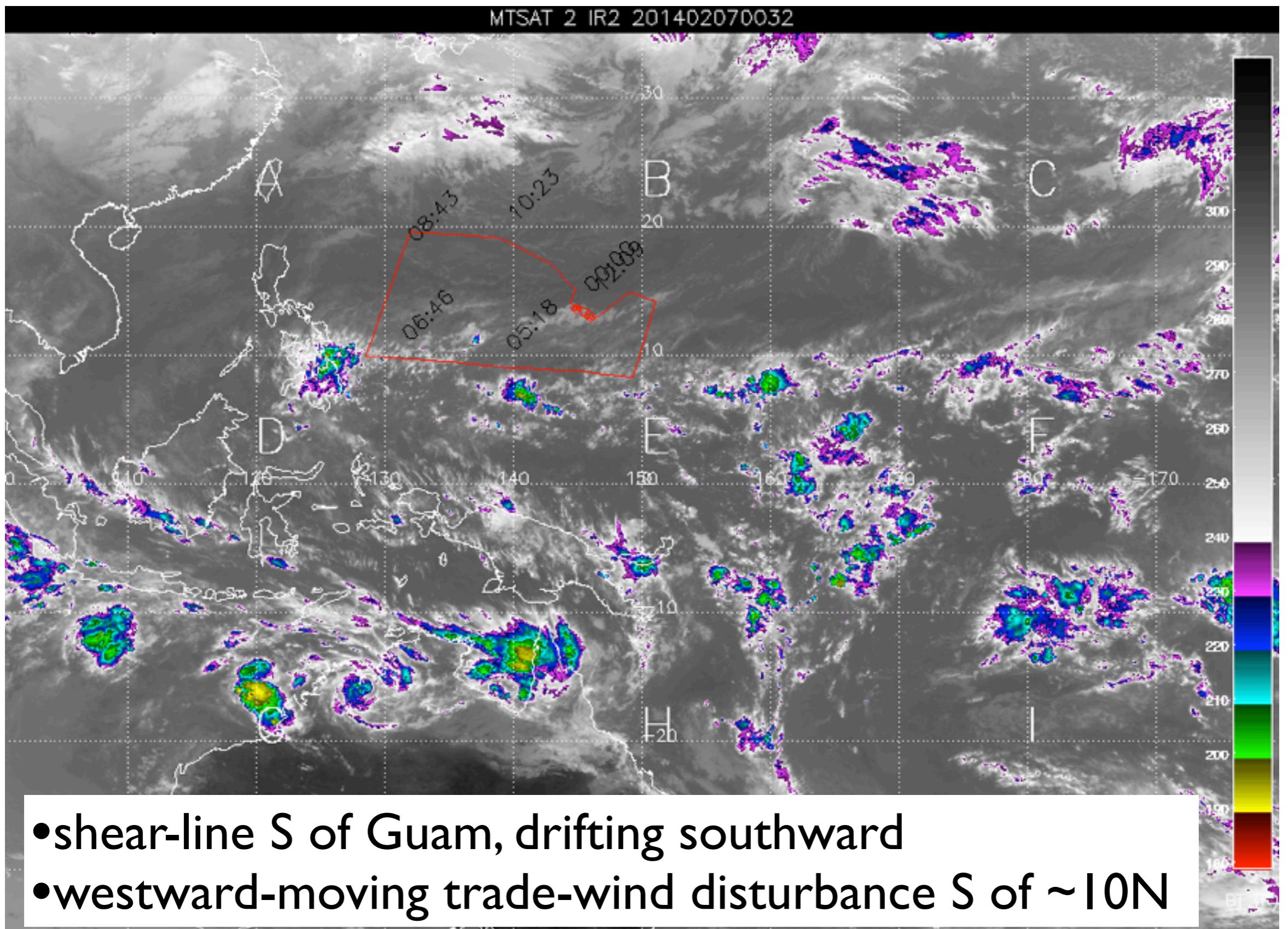
metbrief: 2014-02-07

(next planned flight 2014-02-xx)

- shear line S of Guam, continues to drift southward
- **02-08 Saturday, 02-09 Sunday:**
 - dry, few (1500 ft) to scattered (2500 ft) clouds at takeoff and landing
 - ▶ NCAR model (outlier) forecasts isolated showers early morning and evening Sunday
 - 10-15 knot NE winds
 - westward-moving trade-wind disturbance (and associated convective precip; cloud top \leq 50 kft) remains S of \sim 10N
 - cold Ts develop S of Guam Saturday through Sunday, then warming up Monday
- Outlook
 - good flying conditions (dry, 10-15 knot NE winds) through **Monday** and **Tuesday**
 - next frontal system approaches N of Guam around **next Friday**

'current' condition:

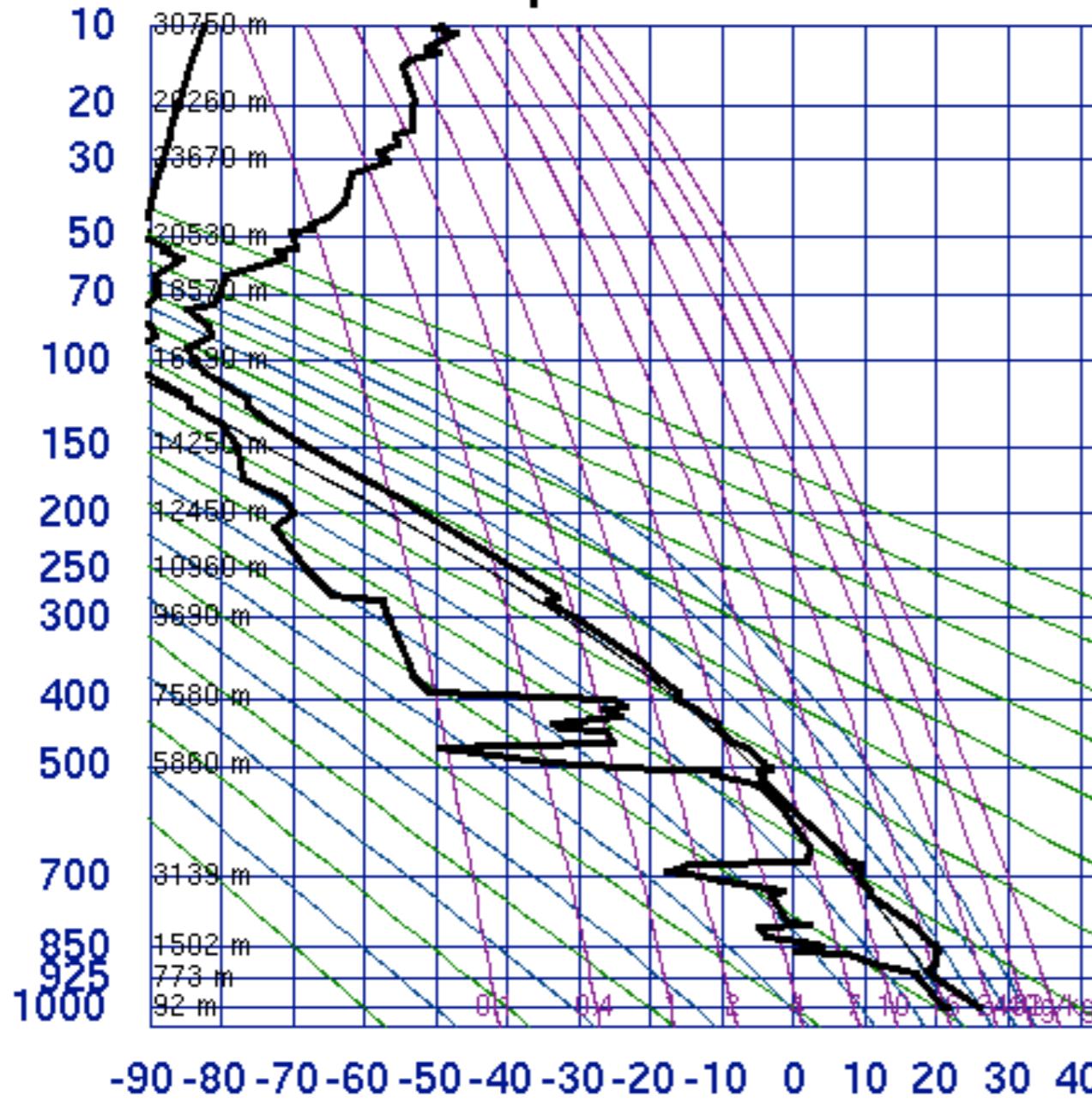
satellite IR imagery on 2014-02-07, ~00UTC
(02-07 Fri, ~10AM)



'current' condition:

soundings on 2014-02-07, 00UTC
(02-07 Fri, 10AM)

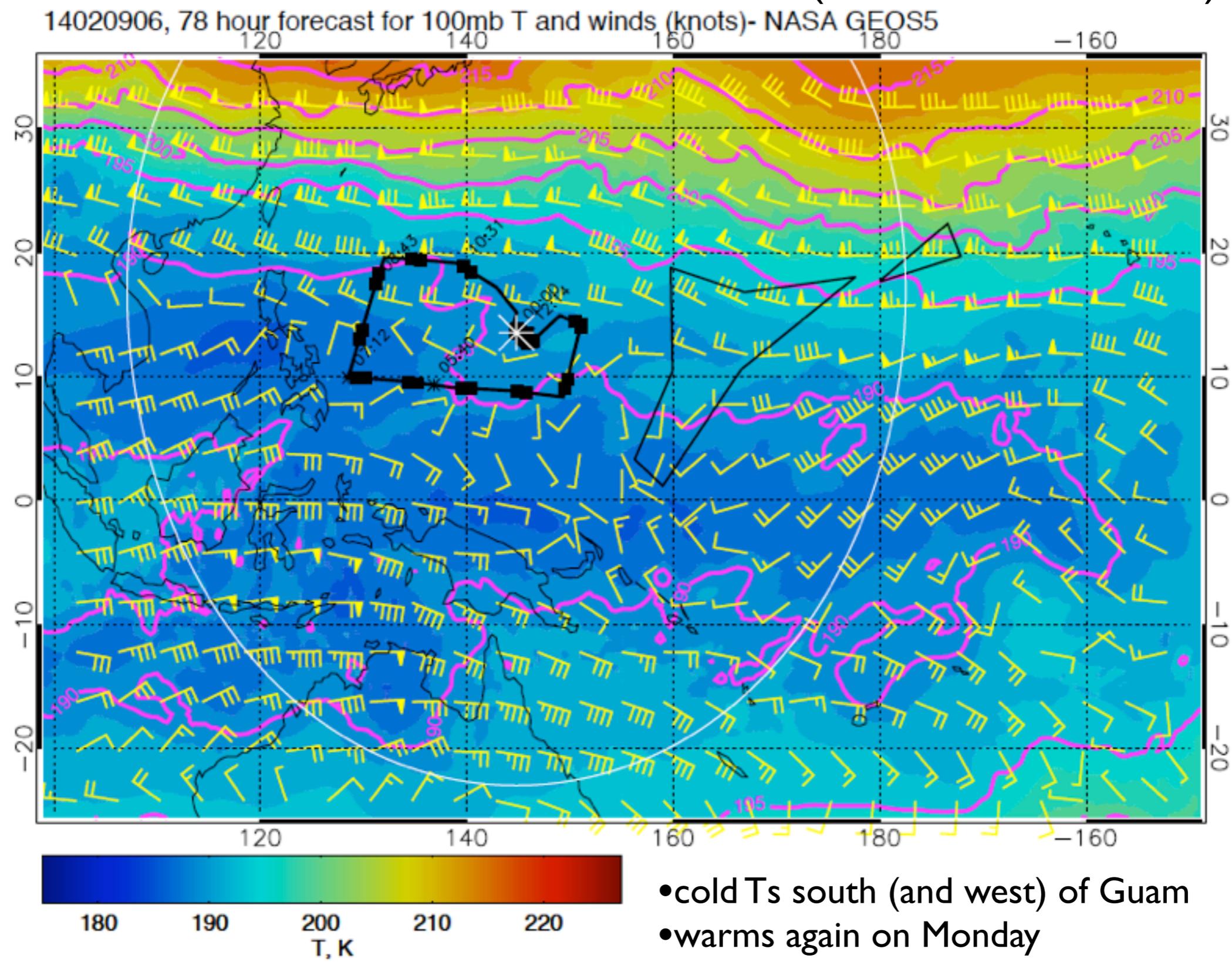
91212 PGAC Guam Intl Arpt



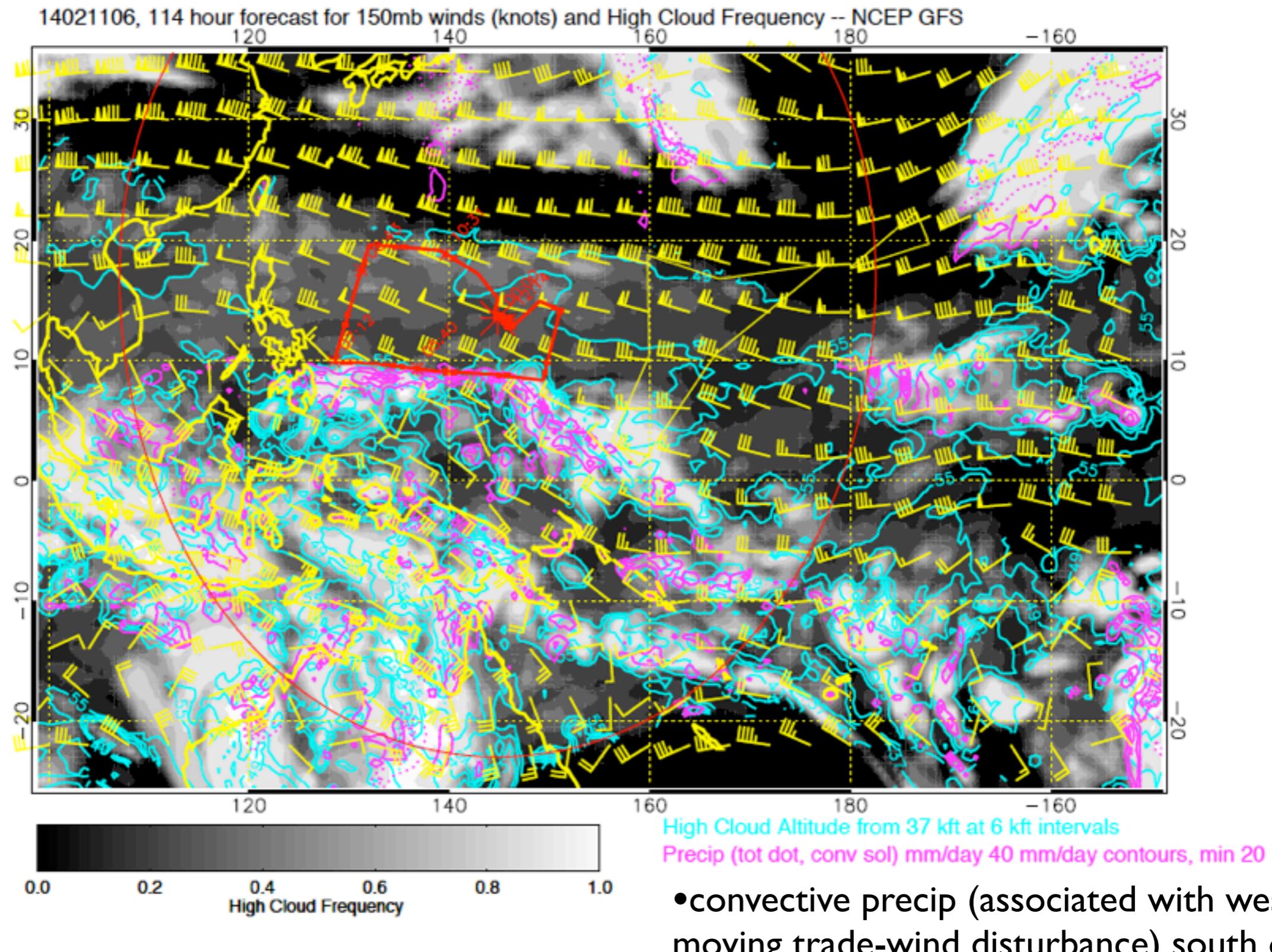
SLAT	13.48
SLON	144.79
SELV	76.00
SHOW	9.93
LIFT	1.88
LFTV	1.25
SWET	78.58
KINX	5.30
CTOT	7.50
VTOT	23.50
TOTL	31.00
CAPE	25.22
CAPV	50.57
CINS	-193.
CINV	-76.9
EQLV	507.9
EQTV	398.9
LFCT	607.6
LFCV	758.5
BRCH	1.49
BRCV	2.98
LCLT	291.8
LCLP	917.4
MLTH	299.1
MLMR	15.07
THCK	5768.
PWAT	36.82

- double tropopause
 - 84.7 degC (188.3 K) at 18.0 km (59.2 kft)
 - 84.9 degC (188.1 K) at 16.9 km (55.6 kft)
- moist layer intrusion between 11-18 kft

'Sun mid-flight' condition (GFS):
100mb T & winds on 2014-02-09, 06UTC
(02-09 Sun, 04PM)

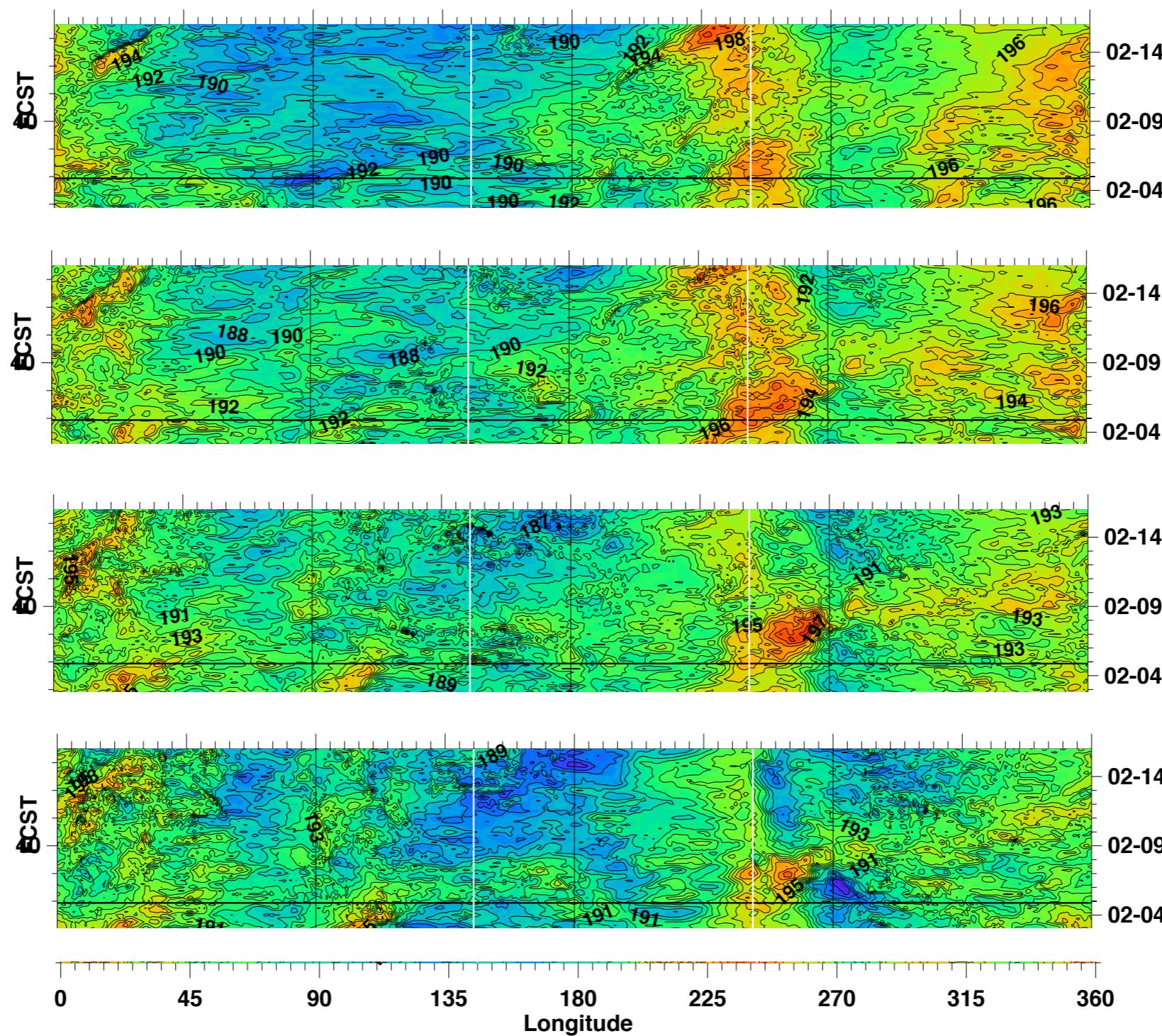


'Tue mid-flight' condition (GFS):
high clouds & 150mb winds on 2014-02-11, 06UTC
(02-11 Tue, 04PM)



100mb T forecast

15N



- 100mb T near equatorial west Pac getting colder, no significant change at latitudes near Guam